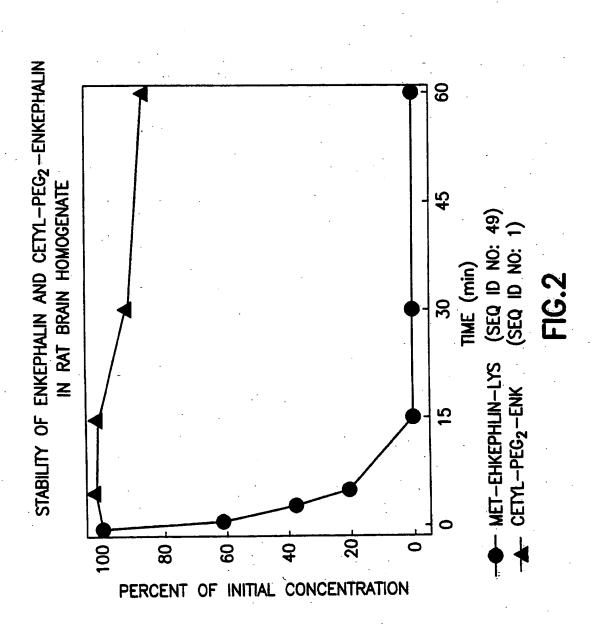
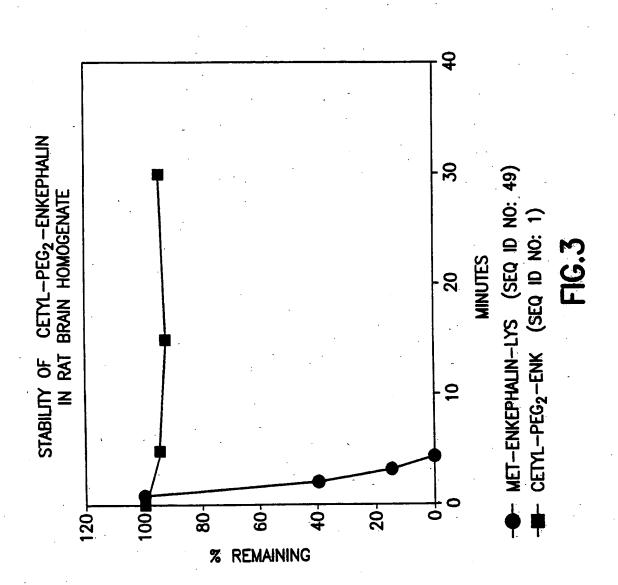
SUGAR-CONTAINING AMPHIPHILIC OLIGOMERS

FIG.1A

FIG.1B

FIG.1C





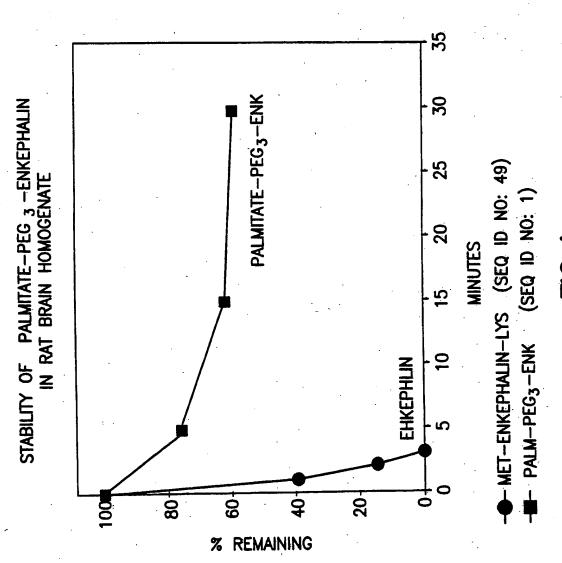
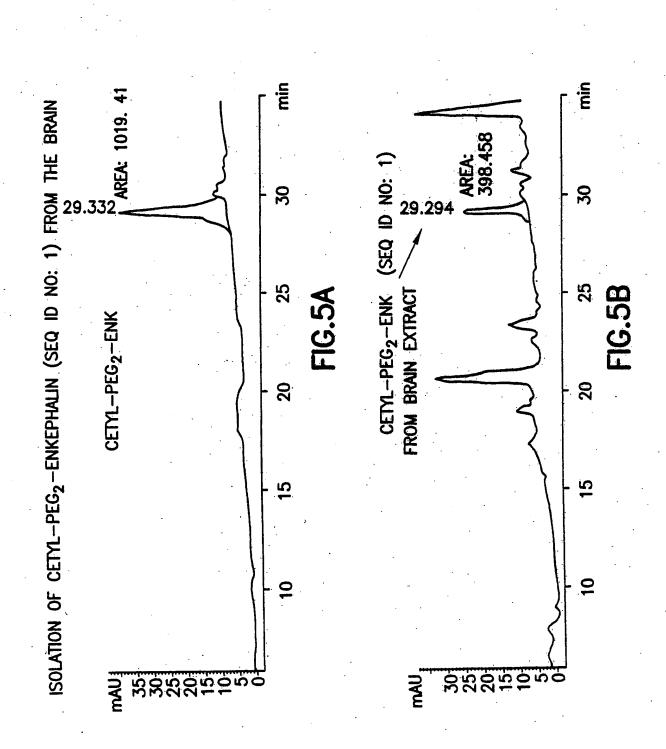
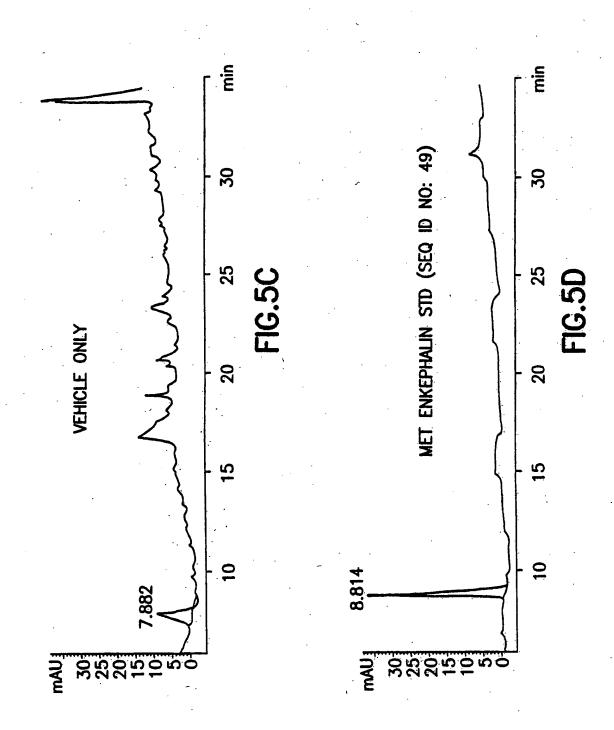
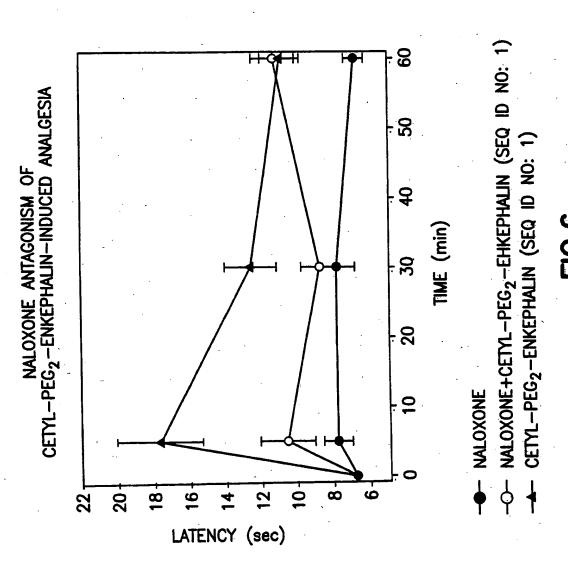


FIG.4







(SEQ ID NO: 1) .g IV DOSE OF CETYL—PEG $_2$ —ENKEPHALIN UGATE IN THE RAT HOT—PLATE ASSAY ANALGESIC EFFECT OF A 5 mg/kg IV

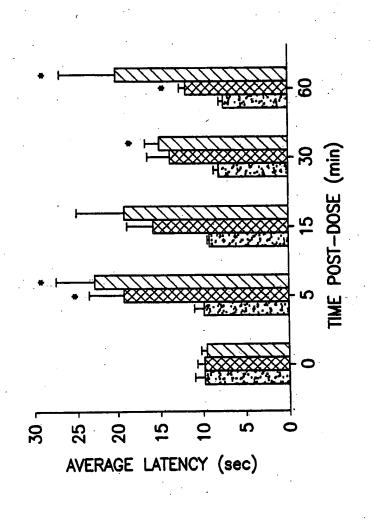


FIG. 7

COMPARISON OF μ -RECE	RECEPTOR BINDING AFFINITY OF ENKEPHALIN CONJUGATES	JUGATES
DRUG OR CONJUGATE	DETAILED STRUCTURE	% SPECIFIC BINDING
NALOXONE	NALOXONE	100
ENKEPHALIN	MET-ENKEPHALIN-LYS (SEQ ID NO: 49)	29
CETYL-ENK	CETYL-PEG ₂ -ENK (SEQ ID NO: 1)	100
CHOL-ENK	CHOLESTEROL-PEG3-ENK (SEQ ID NO: 1)	95
DHA-ENK	DHA-PEG ₂ -ENK (SEQ ID NO: 1)	63
PALM-ENK	PALMITATE-PEG3-ENK (SEQ ID NO: 1)	76
CETYL-TEG-ENK	CETYL-PEG3-ENK (SEQ ID NO: 1)	100

FIG.8

SYNTHESIS OF OLICOMER

AMPHIPHILIC POLYMER

FIG.9

AMPHIPHILIC POLYMER

ATTACHMENT OF OLIGOMER TO ENKEPHALIN

OLIGOMER-ENKEPHALIN-CONJUGATE

EXAMPLE m=14 AND n=2

CETYL-PEG2-ENKEPHALIN

FIG. 10